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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/549,612	02/15/2006	Stefan Dengler	PNL21492	8179	
52989 7590 10/04/2007 STEVENS, DAVIS, MILLER & MOSHER, LLP			EXAM	EXAMINER	
1615 L. STREET N.W.			BENTON	BENTON, JASON	
SUITE 850 WASHINGTO	N, DC 20036		ART UNIT	PAPER NUMBER	
			3747		
			MAIL DATE	DELIVERY MODE	
•			10/04/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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•	Application No.	Applicant(s) ✓	
	10/549,612	DENGLER, STEFAN	
Office Action Summary	Examiner	Art Unit	
	Jason Benton	3747	
The MAILING DATE of this communication	appears on the cover sheet w	ith the correspondence address) ww
Period for Reply A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the meaned patent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMUNI R 1.136(a). In no event, however, may a riod will apply and will expire SIX (6) MOI atute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communi BANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on _			
· <u> </u>	This action is non-final.	fore procognition on to the mor	ite ie
3) Since this application is in condition for allo closed in accordance with the practice unde	•		115 15
ciosed in accordance with the practice und	ei Ex parte Quayle, 1900 C.t	7. 11, 433 O.G. 213.	
Disposition of Claims			
 4) Claim(s) 1-9 is/are pending in the application 4a) Of the above claim(s) is/are withen 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 and 9 is/are rejected. 7) Claim(s) 5-8 is/are objected to. 8) Claim(s) are subject to restriction and 	drawn from consideration.		
Application Papers			
9) ☐ The specification is objected to by the Exam 10) ☑ The drawing(s) filed on 20 September 2005 Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) ☐ The oath or declaration is objected to by the	is/are: a) accepted or b) [the drawing(s) be held in abeya rection is required if the drawing	nce. See 37 CFR 1.85(a). I(s) is objected to. See 37 CFR 1.1	121(d).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International But * See the attached detailed Office action for a	ents have been received. ents have been received in A priority documents have been reau (PCT Rule 17.2(a)).	Application No received in this National Stage	e
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>9/20/05</u>. 	Paper No	s)/Mail Date nformal Patent Application	

Application/Control Number: 10/549,612

Art Unit: 3747

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Krebs.

The patent by Krebs (5,359,970) shows a cylinder head with at least one camshaft (2) on which at least one cam carrier (15) is mounted so as to be nonrotatable and axially displaceable. The at least one cam carrier has at least one cam (18) on which at least two different cam travel paths are configured. The at least one cam carrier, for the purpose of bearing the at least one camshaft, is enclosed in at least one camshaft bearing rigidly mounted on a cylinder head. A means for axially displacing at least one cam carrier in relation to the at least one camshaft between a first axial position and at least one second axial position, in that wherein in the first axial position of the cam carrier, a first contact surface rigidly mounted on a first cam carrier is in contact with a first contact surface rigidly mounted on a cylinder head, in the second axial position of the cam carrier, a second contact surface rigidly mounted on a cylinder head. A means for applying an axial tensioning force are configured between the camshaft and cam carrier, the axial tensioning force displacing the cam carrier in the area of the first

Application/Control Number: 10/549,612

Art Unit: 3747

axial position in the direction of the first axial position, and in the area of the second axial position in the direction of the second axial position.

The first axial contact surface rigidly mounted on a cam carrier and the second contact surface rigidly mounted on a cam carrier are side surfaces of the at least one cam.

The first contact surface rigidly mounted on a cylinder head and the second contact surface rigidly mounted on a cylinder head are side surfaces of at least one camshaft bearing.

The means for application of an axial tensioning force from the base camshaft to the cam carrier is configured as a detent device.

On the at least one base cam shaft a cam carrier is mounted for each cylinder of the internal combustion engine.

Allowable Subject Matter

Claims 5-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Benton whose telephone number is (571) 272-4838. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Cronin can be reached on (571) 272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JB

STEPHEN K. CRONIN
SUPERVISORY PATENT EXAMINER